

# CABLE MODEM SYSTEM AND METHOD FOR SPECIALIZED DATA TRANSFER

## ABSTRACT OF THE DISCLOSURE

A cable modem system and method is provided for the transfer and processing of data in accordance with specialized data transfer protocols while utilizing conventional cable modem termination system (CMTS) equipment. A cable modem system in accordance with the invention includes a cable modem that provides for the modification of data packets in accordance with a proprietary protocol and the addressing of the modified data packets to a headend server. The headend server is adapted to reconstruct the data packets for transmission to other local cable modems or to a packet-switched network. In additional embodiments, the CMTS itself rather than a headend server operates to reconstruct the data packets.

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